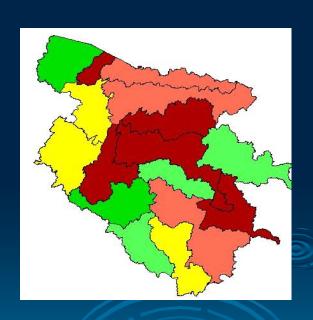
National Watershed Condition Classification Overview





4 Agency Partnership Annual Meeting
October 19, 2011



OMB 2006 Program Review



- FS lacked a nationally consistent approach to prioritize watersheds for improvement.
- FS direction for tracking watershed condition class over time is vague and inconsistent.



FS National Watershed Condition Team



- Establish a systematic process for determining Watershed Condition Class that can be applied consistently by all National Forests
- Improve Forest Service reporting and tracking of watershed condition
- Strengthen the effectiveness of the Forest Service in maintaining and restoring the productivity and resilience of watersheds and aquatic systems



FS National Watershed Condition Team



- Enable a priority-based approach for the allocation of resources for restoration
- Enhance coordination with external agencies and partners







Classify Watershed Condition



Monitor and Verification



STEP 5

Track Restoration Accomplishments



STEP 2

Prioritize
Watersheds for
Restoration



STEP 3

Develop Watershed Action Plans



STEP 4

Implement Integrated Projects





WATERSHED CONDITION INDICATORS (12 Indicator Model)



AQUATIC PHYSICAL

(Weight = 30%)

1. WATER QUALITY

- 1. Impaired Waters (303d Listed)
- 2. Water Quality Problems (Not Listed)

2. WATER QUANTITY

1. Flow Characteristics

3. AQUATIC HABITAT

- 1. Habitat Fragmentation
- 2. Large Woody Debris
- 3. Channel Shape and Function

AQUATIC BIOLOGICAL

(Weight = 30%)

4. AQUATIC BIOTA

- 1. Life Form Presence
- 2. Native Species
- 3. Exotic and/or Invasive Species

5. RIPARIAN/WETLAND VEGETATION

1. Vegetation Condition

TERRESTRIAL PHYSICAL

(Weight = 30%)

6. ROADS & TRAILS

- 1. Open Road Density
- 2. Road Maintenance
- 3. Proximity to Water
- 4. Mass Wasting

7. SOILS

- 1. Soil Productivity
- 2. Soil Erosion
- 3. Soil Contamination

TERRESTRIAL BIOLOGICAL

(Weight = 10%)

8. FIRE REGIME or WILDFIRE

- Fire Condition Class
 OR
- 2. Wildfire Effects

9. FOREST COVER

1. Loss of Forest Cover

10. RANGELAND VEGETATION

1. Vegetation Condition

11. TERRESTRIAL INVASIVE SPECIES

1. Extent & Rate of Spread

12. FOREST HEALTH

- 1. Insects and Disease
- 2. Ozone



Watershed Condition Classes



- Class 1 = Functioning Properly
- Class 2 = Functioning at Risk
- Class 3 = Impaired Function



Rating Non-NFS Lands



Non-FS Lands:

- We frequently lack data about non-FS lands
- Individual Indicators/Attributes not rated
- Use a subjective rating based on all non-FS land
 - Same condition as FS Land
 - Better condition than FS Land
 - Poorer condition than FS Land
- When in doubt rate "Same As"
- Composite Watershed Condition Score: Area-weighted



Approach & Constraints



- This watershed classification approach was specifically designed as:
 - A rapid, coarse filter
 - Office assessment process
 - Completed by a Forest interdisciplinary team over a short time period (< 2 weeks)
 - Use local professional judgment, relying on existing information, maps, and GIS layers



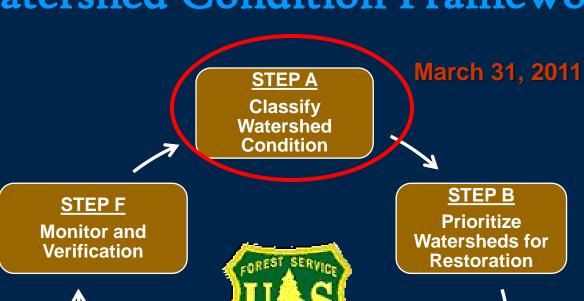
Annual and Periodic Reassessments



- WCC is to be updated annually. Focus on:
 - Watersheds where improvement activities have been implemented
 - Watersheds that have experienced extensive natural disturbance
- Conduct a more rigorous classification of all watersheds every five years, or sooner if conditions warrant.









STEP E
Track Restoration
Accomplishments





STEP C
Develop
Watershed
Action Plans

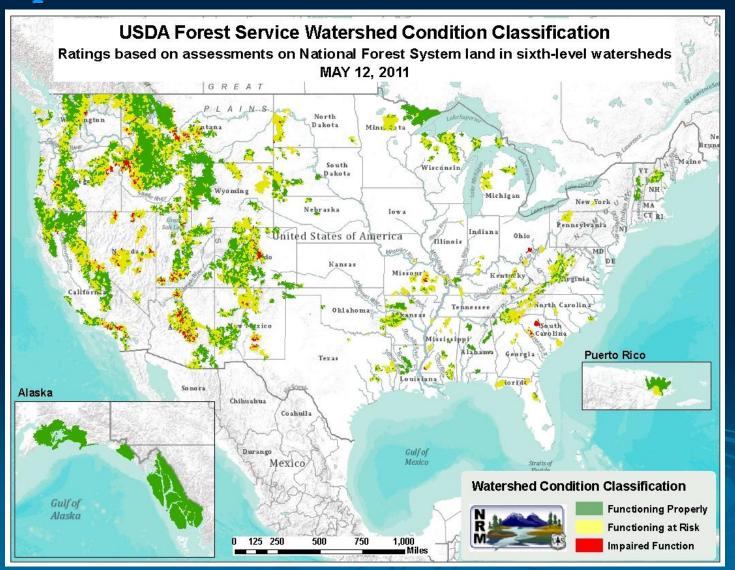


Implement Integrated Projects





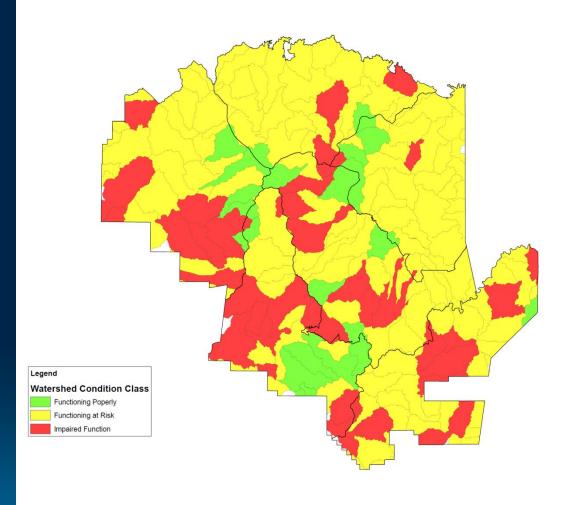
Map of Condition Class - NFS Watersheds





Tonto National Forest Watershed Condition Assessment











Step A - Condition Class Results

- NFS lands only currently available to the public
 - Static national and regional maps available on web now
 - Interactive mapping tool available target date June 30

- Alternate approach for non-NFS lands being developed
 - Target date: End of FY '11







Integrated Projects



Step B: Prioritize Watersheds for Restoration

- Small number of Priority Watersheds equivalent to a 5year program of work for each admin unit (approx 1-5)
- Implementation Guidance FS-977, FY11 Budget Direction
 - Collaborate with Stakeholders and Partners
 - Ecological, social, and economic considerations
 - Align with national/ regional strategies and Forest Plan direction
 - Align with outside agency efforts and partnership opportunities
- Step B to be completed by July 1, 2011
- Selection and prioritization rationale entered into WCATT database by August 15, 2011
- Documentation template available by July 15, 2011







Classify Watershed Condition

March 31, 2011

July 15, 2011

STEP F

Monitor and Verification



STEP E

Track Restoration Accomplishments



STEP B

Prioritize
Watersheds for
Restoration

Prioritization guidance provided in 2011 Budget Direction



Develop Watershed Action Plans



STEP D

Implement Integrated Projects September 30, 2011





STEP A

Classify Watershed Condition

March 31, 2011

July 15, 2011

STEP F

Monitor and Verification



STEP E

Track Restoration Accomplishments



STEP B

Prioritize
Watersheds for
Restoration



STEP C

Develop Watershed Action Plans



Prioritization

guidance

provided in

2011 Budget Direction



FY 2012 and beyond

STEP D

Implement Integrated Projects





Step D: Implement Integrated Suites of Essential Projects

- May take 1 -5 years
- Implementation includes:
 - Planning (NEPA)
 - Project design
 - Project completion
 - Completion information entered into corporate database



Priority Watershed & Job Stabilization Initiative



- \$80,000,000 in IRR (FY12)
- Integrated restoration in priority watersheds
- Purpose:
 - Improve/maintain watershed function
 - Create local jobs
- Outcome measure: WCF

Must be Priority Watersheds (Step B of WCF) and projects must be identified in an Action Plan (Step C of WCF)





In summary

The WCF provides:

- a consistent, comparable, credible process for building accountability in watershed restoration.
- a comprehensive approach for integrated restoration on watersheds on National Forests and Grasslands.
- an outcome-based performance measure for documenting improvement to watershed condition at Forest, Regional, and National scales.
- a transparent way to demonstrate that the FS is a good investment in watershed restoration



WEB LINK



The link below will direct you to our national website where currently you can review the WCF program documentation, interactive classification maps, and their attribute ratings. In November 2011, the interactive maps will also allow you to see Priority Watersheds, view reasons for their selection, and read the Action Plans. http://www.fs.fed.us/publications/watershed/